



CASE CLV-31563B

CERTIFICATE OF MAILING

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to the: Assistant Commissioner for Patents, Washington, D.C. 20231.

Jennifer China
Type or print name

Jennifer China
Signature

April 10, 2003
Date

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF

QIU ET AL.

APPLICATION NO: 09/939,145

FILED: AUGUST 24, 2001

FOR: Process for Surface Modifying Substrates and Modified Substrates
Resulting Therefrom

Assistant Commissioner for Patents
Washington, D.C. 20231

GROUP 1700
APR 15 2003
RECEIVED

INFORMATION DISCLOSURE STATEMENT

Sir:

Applicants believe this paper is being filed before the mailing date of a first Office Action on the merits, and so under 37 C.F.R. §1.97(b)(3) no fees are required. If a fee is deemed to be required, the Commissioner is hereby authorized to charge such fee to Deposit Account No. 19-0134.

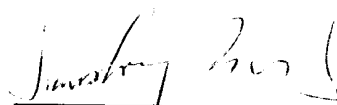
In accordance with 37 C.F.R. §1.56, applicants wish to call the Examiner's attention to the references cited on the attached form(s) PTO-1449.

Copies of these references are enclosed herewith.

The Examiner is requested to consider the foregoing information in relation to this application and indicate that each reference was considered by returning a copy of the initialed PTO 1449 form(s).

Respectfully submitted,

Novartis Pharmaceuticals Corporation
Patent and Trademark Dept.
One Health Plaza
East Hanover, NJ 07936-1080
(678) 415-4691



Jian Zhou
Agent for Applicants
Reg. No. 41,422

Date: April 10, 2003

INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)



U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE
	AA	4,168,112	9/18/79	Ellis, Edward J., et al	351	160	
	AB	4,321,261	3/23/82	Ellis, Edward J., et al	424	180	
	AC	4,941,997	7/17/90	Decher, Gero, et al	252	586	
	AD	4,973,429	11/27/90	Decher, Gero, et al	252	587	
	AE	5,068,318	11/26/91	Decher, Gero, et al	534	573	
	AF	5,518,767	5/21/96	Rubner, Michael, et al	427	259	
	AG	5,529,727	6/25/96	LaBombard, Denis	264	1.36	
	AH	5,536,573	7/16/96	Rubner, Michael, et al	428	378	
	AI	6,011,082	01/04/00	Wang, Yading	523	107	
	AJ						
	AK						
	AL						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	OFFICE	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	AM	0 032 443 A2	1/9/81	Europe			<input type="checkbox"/>	<input type="checkbox"/>
	AN	0 138 385 A2	9/13/84	Europe			<input type="checkbox"/>	<input type="checkbox"/>
	AO	05318118	3/21/93	Japan - abstract			<input type="checkbox"/>	<input type="checkbox"/>
	AP	GB 2, 102,070	1/5/78	Great Britian			<input type="checkbox"/>	<input type="checkbox"/>
	AQ	JP 01,158,412	2/26/80	Japan			<input type="checkbox"/>	<input type="checkbox"/>

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent pages, Etc.)

	AR	Blood Capatibility-Surface Characteristic Relationships of a Langmuir-Blodgett Film Composed of an Anionic Amphiphile-Polycation Complex, Uchida M., et al., New Polymers Material, Vol. 4, No. 3 pp. 119-211 (1994)
	AS	Enhancement of Light Emitting Diodes Based on Self-Assembled Heterosctructures of Poly (P-phenylene vinylene), O. Onitsuka, et al., Journal Applied Physics, 80, (7), 1 October 1996, ppg 4067-4071
	AT	Investigations of New Self-Assembled Multilayer Thin Films Based on Alternately Absorbed Layers of Polyelectrolytes and Functional Dye Molecules, D. Yoo, et al., Material Resource, Soc. Symp. Proc. Vol. 413, 1996, Materials Research Society

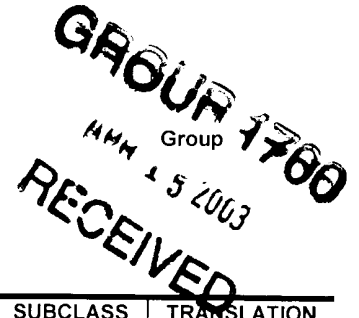
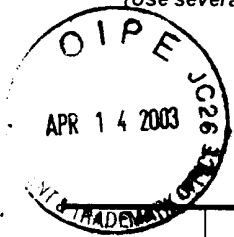
EXAMINER

DATE CONSIDERED

*EXAMINER: Initial of reference considered, whether or not citation is in conformance with MPEP 609: Draw a line through citation if not in conformance and not considered. Include a copy of this form with the next communication to applicant.

INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)



FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	OFFICE	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	AA	WO 95/00618	1/5/95	PCT			<input type="checkbox"/>	<input type="checkbox"/>
	AB	WO 95/02251	1/19/95	PCT			<input type="checkbox"/>	<input type="checkbox"/>
	AC	WO 95/20407	8/3/95	PCT			<input type="checkbox"/>	<input type="checkbox"/>
	AD	WO 96/18498	06/25/96	PCT			<input type="checkbox"/>	<input type="checkbox"/>
	AE	WO 96/31792	10/10/96	PCT			<input type="checkbox"/>	<input type="checkbox"/>
	AF	WO 96/37241	4/25/96	PCT			<input type="checkbox"/>	<input type="checkbox"/>
	AG						<input type="checkbox"/>	<input type="checkbox"/>
	AH						<input type="checkbox"/>	<input type="checkbox"/>
	AI						<input type="checkbox"/>	<input type="checkbox"/>
	AJ						<input type="checkbox"/>	<input type="checkbox"/>
	AK						<input type="checkbox"/>	<input type="checkbox"/>
	AL						<input type="checkbox"/>	<input type="checkbox"/>
	AM						<input type="checkbox"/>	<input type="checkbox"/>
	AN						<input type="checkbox"/>	<input type="checkbox"/>
	AO						<input type="checkbox"/>	<input type="checkbox"/>
	AP						<input type="checkbox"/>	<input type="checkbox"/>
	AQ						<input type="checkbox"/>	<input type="checkbox"/>
	AR						<input type="checkbox"/>	<input type="checkbox"/>
	AS						<input type="checkbox"/>	<input type="checkbox"/>
	AT						<input type="checkbox"/>	<input type="checkbox"/>
	AU						<input type="checkbox"/>	<input type="checkbox"/>
	AV						<input type="checkbox"/>	<input type="checkbox"/>
	AW						<input type="checkbox"/>	<input type="checkbox"/>
	AX						<input type="checkbox"/>	<input type="checkbox"/>
	AY						<input type="checkbox"/>	<input type="checkbox"/>
	AZ						<input type="checkbox"/>	<input type="checkbox"/>

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial of reference considered, whether or not citation is in conformance with MPEP 609: Draw a line through citation if not in conformance and not considered. Include a copy of this form with the next communication to applicant.

INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

ATTY. DOCKET NO.
CLV-31563B
APPLICATION NO.
09939,145
APPLICANT
QIU ET AL.
FILING DATE
August 24, 2001GRABUR 1700
APR 15 2003
RECEIVED

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent pages, Etc.)

AA	New Electro-Active Self-Assembled Multilayer Thin Films Based on Alternately Absorbed Layers of Polyelectrolytes and Functional Dye Molecules, D. Yoo, et al., Elsevier Science, S.A., 1977, ppg 1425-1426
AB	Layer-By-Layer Modification of Surfaces Through the Use of Self-Assembled Monolayers of Polyions, D. Yoo, et al., ANTEC, 1995 ppg 2568-2570
AC	Molecular Self-Assembly of Conducting Polymers: A New Layer-by-Layer Think Film Deposition Process, J. H. Chung, et al.,
AD	Patterned Polymer Multilayer Fabrication by Controlled Adhesion of Polyelectrolytes to Plasma-Modified Fluoropolymer Surfaces, T. G. Vargo, et al, Supramolecular Science, Volume 2, Numbers 3-4, 1995, ppg 169-174
AE	Molecular-Level Processing of Conjugated Polymers 1. Layer-by-Layer Manipulation of Conjugated Polyions, M. Ferreira, et al., Macromolecules, Vol. 28, No. 21, 1995, ppg 7107-7114
AF	Molecular-Level Processing of Conjugated Polymers 2. Layer-by-Layer Manipulation of In-Situ Polymerized p-type Doped Conduction Polymers, M. Ferreira, et al., Macromolecules, Vol. 28, No. 21, 1995, ppg 7115-7120
AG	Molecular-Level Processing of Conjugated Polymers 3. Layer-by-Layer Manipulation of Polyaniline via Electrostatic Interactions, J. H. Cheung et al., Macromolecules, 1997, 30, ppg 2712-2716
AH	
AI	
AJ	
AK	
AL	
AM	
AN	

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial of reference considered, whether or not citation is in conformance with MPEP 609: Draw a line through citation if not in conformance and not considered. Include a copy of this form with the next communication to applicant.